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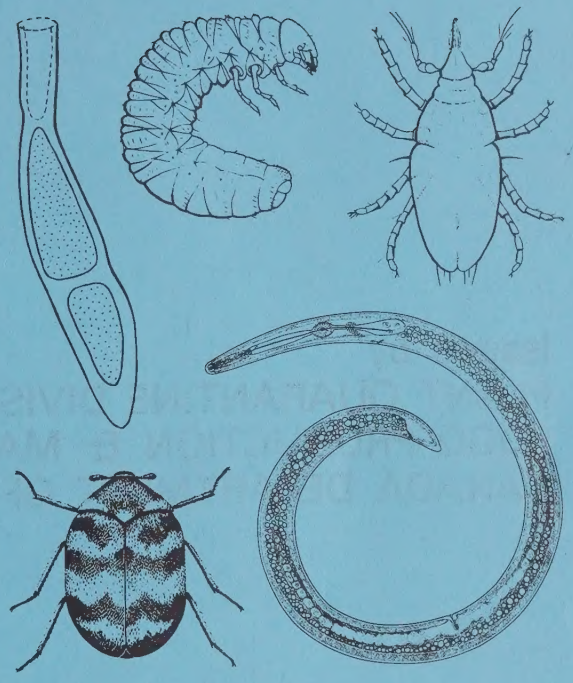
Agriculture
Canada

INTERCEPTED PLANT PESTS

1976-1977

CANADIAN PLANT QUARANTINE



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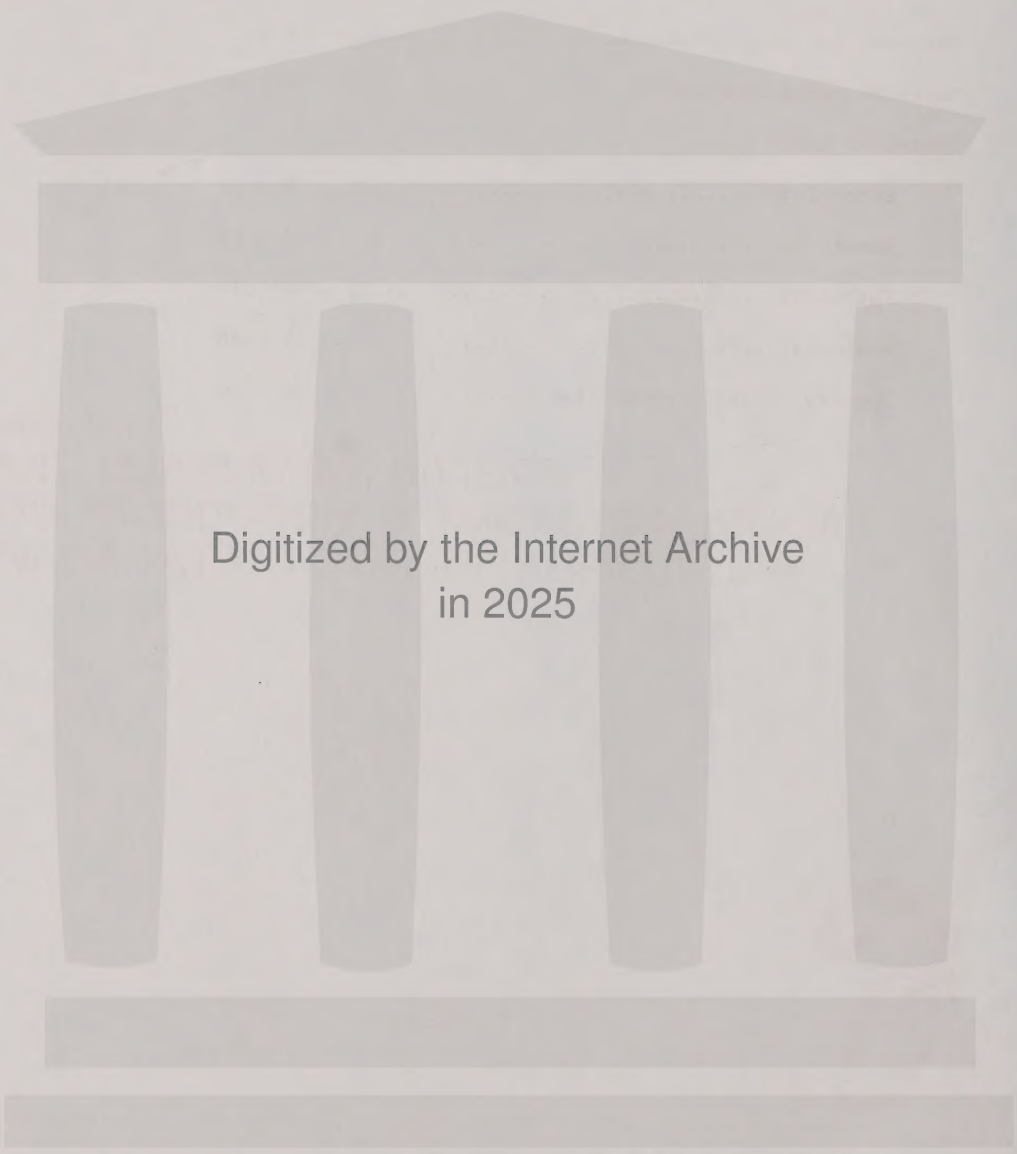

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AGRICULTURE CANADA

Food Production & Marketing Branch — Plant Quarantine Division

LIST OF INTERCEPTED PLANT PESTS

April 1st, 1976 - March 31st, 1977

INTRODUCTION

This report summarizes the import interception records of the Plant Quarantine Division for the period April 1st, 1976 to March 31st, 1977, and includes plant pests found on, or associated with, plants and plant products, baggage, cargo, mail or carriers entering Canada. Pest records concerning pre-shipment inspection of flowering bulbs in the Netherlands, the Canadian Nursery Survey, Canadian Export Certification, and various domestic surveys may be found in other reports covering these activities.

In this report pests are recorded under three categories: "Entomology", which includes insects, mites and mollusks; "Pathology", which includes bacteria, fungi and viruses and "Nematology". Imports are divided into "propagation" and "consumption", according to their obvious or intended use. The heading "Host (or carrier)" is used because many of the plants with which a specific pest is associated may not necessarily be host plants, and soil or other materials not associated with plants at the time of interception may also carry pests. The term "Soil" is used only when no recognizable plant or plant material could be associated with the soil in which a pest was found.

The mode of transport for each pest is indicated by code letters under the column "Carried in". Four categories are used: APB - Air passengers baggage; M - mail; C - cargo; and NE - Non-entry. "Non-entry" refers to the interception of a pest in the interior of a carrier or on a plant or product within the carrier not intended to be moved into Canada. Nevertheless, the risk of pest entry existed since the carrier was on Canadian soil or in Canadian waters at the time of inspection.

Both the "Host" and "Origin" lists refer only to the name of the pest organism. The most complete information is available in the "Pest" list. The lists include only those pests which are considered to be of plant quarantine interest and some which may be of interest because they are new to the country of origin, new to the host plant or are of limited distribution in Canada. Certain pests have been arbitrarily included where there is insufficient information in regard to their significance and/or distribution in Canada. A large number of the more common intercepted insects, mites, mollusca, fungi, bacteria and nematodes were not included in these lists, but information on these as well as more detailed information on those included here is on file and may be obtained by contacting the Director, Plant Quarantine Division, Ottawa.

The majority of pest identity determinations were made by personnel within the Biological Services Section of the Plant Quarantine Division. Where necessary, identifications were made, or were verified, by specialists in the Research Branch, Canada Agriculture. Mollusca were identified by personnel at the Canadian National Museum. At certain ports-of-entry, inspectors are qualified to make identifications of specific pests because of frequent interceptions of the pest from the same geographical area. However, periodically these port identifications are monitored by specialists. The scientific names in the lists are those provided by the specialist at the time the identifications were made. The identity of many pests were incompletely determined, but complete identifications of those which may be of quarantine significance are included in the list.

Notes on Pests Intercepted

During the fiscal year covered by this report a total of 1638 pest interceptions were submitted to headquarters for identification. This represents an increase of 87 submissions over the number received in fiscal year 1975-1976. The totals for the last two years represent all-time highs, both having surpassed the previous high of 1421 established in fiscal year 1964-1965.

The following table compares the total pest submissions for each of the three pest groups together with the related totals which are of quarantine significance or of other interest. The figures in brackets are those for the previous year, 1975-1976.

The figures in brackets are those for the previous year, 1975 - 1976.

	No. of Interceptions	
	Total No.	Total of P.Q. Significance
Nematodes	456 (419)	227 (259)
Fungi and Viruses	264 (244)	78 (70)
Insects and Mollusks	918 (888)	212 (197)
Grand Total	1638 (1551)	517 (526)

Some pests intercepted for the first time from specific countries were: Archachatina marginata suturalis, Mollusc - a relative to the "Giant African snail" from air passenger's baggage from Nigeria; Automeris Io, "Io Moth" on Palmaceae sp. from Florida U.S.A.; Bulimulus guadalupensis, Mollusc on Orchidaceae sp. from Jamaica; Cis bidentatus, Scolytid-like beetle in wood packing crate from the Orient; Cyclocephala vulgaris, a Scarab beetle on ornamental plants from Florida U.S.A.; Drymaeus multilineatus, Mollusc on Cactus sp. from Florida U.S.A.; Elaphidion mucronatum, Roundheaded wood borer on Cupressus sp. from Guatemala; Gryllus veletis, a cricket on Allium sp. from Arizona U.S.A.; Helicella neglecta, Mollusc in air passenger's baggage from Italy; Helix lucorum, Mollusc in air passenger's baggage from Italy; Helix melanostonia, Mollusc in an air shipment for consumption from Tunisia; Lacteoluna selenina, Mollusc on Orchidaceae sp. from Jamaica; Otala atlasica, Mollusc in air passenger's baggage from Greece; Oxychilus draparnaldi, Mollusc on outdoor plants from California U.S.A.; Palaeopus costicollis, a curculionid weevil on Dioscorea sp. tubers from Jamaica; Papilio cresphomtes, a Giant Swallowtail on Citrus sp. from Florida U.S.A.; Phlyctaenia rubigalis, a Greenhouse Leaf Tier on Fragaria sp. from California U.S.A.; Plutella xylostella,Diamond-Back Moth on

Brassica sp. from Hawaii and twice from Virginia U.S.A.; Praticolella bakeri, Mollusc on Cactus sp. from Florida U.S.A.; Scapteriscus acletus, Southern Mole Cricket on Ficus sp. from Florida U.S.A.; Sibine stimulae, Saddleback Caterpillar on Ti-Plant from Florida U.S.A.; Tipula oleracea, Crane Fly in shipment box from the Netherlands; Veronicella floridana, Mollusc on Ficus sp. from Honduras; Zachrysia provisoria, Mollusc on Dracaena sp. and Cactus sp. from Florida U.S.A.; Cylindrocladium scoparium Morgan on Rhododendron from Florida; Diplodia vincae (Sacc.) Wint., conidial stage of Botryosphaeria obtusa (Schw.) Shoemaker & Phyllosticta minor Ell. & Ev. on Vinca minor from Tenn.; Cercospora sp. causing oedema on Peperomia from Florida; Colletotrichum lindemuthianum (Sacc. & Magn.) Bri. & Cav. & Uromyces phaseoli (Pers) Wint. on bean seeds from Yugoslavia; Cylindrocarpon radicicola Wr. on Tilia cordata & Cornus from Holland; Exobasidium vaccinii Wor. on Rhododendron from Calif.; Phomopsis sp. on Betula from Holland; Phyllosticta hibiscina Ell. & Ev. on Hibiscus from Florida; Phytophthora spp. on Dracaena from Puerto Rico & on cactaceae from Holland & Calif.; Xanthomonas hederae on Hedera from Florida; Apple stem pitting virus on Malus cultivars from France, Romania & Italy; Grapevine fleck virus on Vitis from Calif. & Maryland; Grapevine leafroll virus Vitis from Italy; Pear ring pattern mosaic virus on Pyrus from Italy; Prune dwarf virus &/or Prunus necrotic ringspot virus on Prunus from Denmark, Holland, Italy & New Zealand; Prunus necrotic ringspot virus on Prunus from Yugoslavia; Aphelenchoides dactyloceras from The Netherlands on Clematis and Chamaecyparis (sterile media), Aphelenchoides ritzemabosi from Michigan on Fragaria; Aphelenchoides sp. (near A. rutgersi)and Aphelenchoides sp. (near A. coffeae) from Hong Kong on Chrysanthemum; Ditylenchus dipsaci from Calif. on Allium; Helicotylenchus digonicus from the Netherlands on cactaceae; Helicotylenchus dihystera from Florida on Ficus; Helicotylenchus ? exallus from Germany on Quercus; Helicotylenchus n. sp. from Kenya in soil and rock; Helicotylenchus pseudorobustus from Italy on Bromelia and Chamaedorea elegans; Helicotylenchus varicaudatus from Germany on Quercus; Heterodera cacti from Spain on escargots; Heterodera cruciferae from Germany on Allium; Heterodera ? cyperi from Japan (2x) on agricultural machinery; Heterodera fici from Japan on agricultural machinery; Heterodera ? galeopsidis from Italy on plants (woody); Heterodera ? glycines from Ethiopia in soil; Heterodera ? graminis from Oregon on plants (woody); Heterodera humuli from Scotland on Calluna; Heterodera latipons from Germany on air force equipment; Heterodera schachtii from Puerto Rico on cactaceae;Heterodera ? trifolii from Denmark on auto; Heterodera ? weissi from Oregon on plants (woody); Paratrichodorus ? christiei from Virginia

on Rhododendron; Paratrichodorus (Nanidorus sp.) from Italy on Bromelia; Paratylenchus italiensis from Italy on Bromelia; Pratylenchus vulnus from Puerto Rico on Pteris; Pseudhalenchus minutus from Virginia on Rhododendron; Rotylenchus fallorobustus from Denmark on Allamanda; Rotylenchus goodeyi from the Netherlands on cactaceae; Rotylenchus robustus from Connecticut on Cedrus Rotylenchus rugatoculiculatus from Holland on cactaceae; Tylenchorhynchus claytoni from Denmark on plants (herb); Tylenchorhynchus irregularis from Puerto Rico (3x) and Hawaii on plants (herb); Xiphinema ? americanum from Oklahoma on Malus; Xiphinema sp. from Haiti in clay.

Globodera rostochiensis was intercepted three times from Japan, Scotland, Holland and twice from Ireland. Globodera ? rostochiensis was intercepted twice from Ireland, Holland and Scotland; Globodera sp. twice from Japan.

Appreciation is extended to A.C. Schmidt (Entomologist) and A.E. Straby (Plant Pathologist) of the Biological Services Section for their participation in preparing this report.

B. E. Hopper
Chief, Biological Services
Plant Quarantine Division

Ottawa
August, 1978

ENTOMOLOGY

A. E. Tymchak

PEST (insects, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
Acedes pallescentella (Staint.) "Large pale clothes moth" (Tineidae)	Grain residue in ship	UNKNOWN		15	NE	B.C. 14x, Man. 1x
*Achatina fulica Bowdich "Giant African Snail" (Achatinidae)	Air shipment	Thailand		1	C	Ont.
Ancylostomia stercorea Zell. (Phycitidae)	Cajanus cajan	Trinidad		1	C	Ont.
Anobium punctatum DeG. "Wood furniture Borer" (Anobiidae)	Grain residue in ship	UNKNOWN		1	NE	B.C.
Aphomia gularis Zeller (Pyralidae)	Grain residue in ship	UNKNOWN		1	NE	B.C.
*Archachatina marginata suturalis (Philippe) (Achatinidae)	Baggage	Nigeria		1	APB	Alta.
*Arianta arbustorum (Linn.) (Helicidae)	Sambucus	Netherlands	1		C	Sask.
*Arion ater (Linn.) (Arionidae)	Lonicera	Netherlands	1		C	Ont.
Autographa brassicae Riley "Cabbage Looper" (Noctuidae)	Acer	New York, USA	1		C	Ont.
	Chrysanthemum	Florida, USA	1		C	N. Scotia
Autographa oo "Spotted Cabbage Looper" (Noctuidae)	Chrysanthemum	Florida, USA	1		C	N. Scotia
Automeris io (Fab.) "Io Moth" (Saturniidae)	Palmaceae	Florida, USA	1		C	B.C.
Blatta orientalis Linn. "Oriental Cockroach" (Blattidae)	Personal effects	Ghana		1	NE	Man.

*Mollusca

PEST (insects, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
*Bradybaena similaris (Férussac) (Bradybaenidae)						
	Cactaceae	Florida, USA	1		C	Man.
	Dracaena	Florida, USA	2		C	Alta. 1x, Ont. 1x
	Ficus	Florida, USA	1		C	Que.
	Palmaceae	Florida, USA	1		C	Ont.
	Plants (tropical)	Florida, USA	1		C	B.C.
Bruchus lentis Fröhl (Bruchidae)						
	Leguminaceae (seed)	Israel	1		APB	Alta.
*Bulimulus guadalupensis Bruguiére (Bulimulidae)						
	Orchidaceae	Jamaica	1		APB	Ont.
Callosobruchus chinensis Linn. "Southern Cowpea Weevil" (Bruchidae)						
	Phaseolus	Ghana		1	APB	Man.
	Phaseolus	Hong Kong		1	M	Man.
	Soya Beans (Dried)	Southern USA		1	C	Ont.
Callosobruchus maculatus (Fab.) "Cowpea Weevil" (Bruchidae)						
	Phaseolus	Hong Kong		1	C	B.C.
	Phaseolus	Hong Kong		1	M	Man.
	Phaseolus	Singapore		1	M	Ont.
*Cepaea hortensis (Müller) (Helicidae)						
	Air shipment (research)	Boston, Mass.	1		C	Que.
Ceratitis capitata (Wiedemann) "Mediterranean Fruit Fly" (Tephritidae)						
	Fruit (various)	Italy		1	APB	Alta.
	Fruit (unidentified)	Kenya		1	C	B.C.
Chrysomphalus aonidum (Linn.) "Florida Red Scale" (Diaspididae)						
	Dracaena	Florida, USA	1		C	Ont.
	Ficus	Florida, USA	1		C	Que.
	Palmaceae	Florida, USA	1		C	Alta.
Cis bidentatus (Oliv.) (Cisidae)						
	Wood (crate)	Orient		1	NE	B.C.
Corcyra cephalonica Stainton "Rice Moth" (Pyralidae)						
	Grain residue in ship	Russia		1	NE	N.S.
	Grain residue in ship	UNKNOWN		7	NE	B.C. 2x, Ont. 5x

*Mollusca

PEST (insects, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
Curculio ? elephas (Gyllenhal) (Curculionidae)						
	Castanea sp.	Hong Kong		1	C	B.C.
	Castanea sp.	Japan?		1	APB	B.C.
Curculio ? nasicus Say (Curculionidae)						
	Quercus (acorns)	New York	1		C	B.C.
Cyclocephala vulgaris Arrow (Scarabaeidae)						
	Plants (ornamental)	Florida, USA	1		C	Que.
Dacus dorsalis Hendel "Oriental Fruit Fly" (Tephritidae)						
	Mangifera sp.	Fiji		1	C	B.C.
*Deroceras reticulatum (Müller) (Limacidae)						
	Fern (Boston)	Florida, USA	1		C	Man.
	Gardenia sp.	Florida, USA	1		C	Ont.
Diaspis boisduvalii Signoret "Boisduval Scale" (Diaspididae)						
	Palmaceae	California, USA	1		C	B.C.
	Palmaceae	Florida, USA	1		C	Ont.
Dinoderus brevis Horn (Bostrichidae)						
	Wood (bamboo baskets)	China		1	C	B.C.
Dinoderus minutus (Fab.) (Bostrichidae)						
	Wood (bamboo)	China		2	C	B.C. 2x
	Wood (bamboo)	Taiwan		1	C	N.B.
*Drymaeus multilineatus (Say) (Bulimulidae)						
	Cactaceae	Florida, USA	1		C	Man.
Ecpantheria deflorata Fab. "Great Leopard Moth" (Arctiidae)						
	Gardenia	Florida, USA	1		C	B.C.
Elaphidion mucronatum (Say) (Cerambycidae)						
	Cupressus sp. (cypress wood)	Guatemala	1		C	N.S.
Endrosis sarcitrella (Linn.) "White shouldered house moth" (Oecophoridae)						
	Grain residue in ship	UNKNOWN		1	NE	Ont.

*Mollusca

PEST (insects, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
Eriopis connexa chilensis Hoffm. (Coccinellidae)	Allium sp.	Chile		1	C	B.C.
Galleria mellonella Linn. "Waxworm" (Galleriidae)	Bait (fish)	Wisconsin, USA		1	M	Ont.
Gnathocerus cornutus (Fab.) "Broad-Horned flour beetle" (Tenebrionidae)	Grain residue in ship	UNKNOWN		1	NE	Man.
Gryllus veletis (Alex. & Big.) (Gryllidae)	Allium sp.	Arizona, USA		2	C	Nfld. 2x
Haplotinea ditella (Pierce & Metcalfe) (Tineidae)	Grain residue in ship	UNKNOWN		3	NE	Que. 3x
*Helicella neglecta (Draparnaud) (Helicellidae)	Baggage	Italy		1	APB	Que.
Heliothis virescens (Fab.) (Noctuidae)	Phaseolus sp.	Trinidad		1	C	Ont.
Heliothis zea (Boddie) "Corn earworm" (Noctuidae)	Zea mays	Mexico		1	C	B.C.
*Helix aperta Born (Helicidae)	Baggage	Greece		1	APB	Que.
	Baggage	Italy		2	APB	Que. 2x
	Snail (shipment)	Tunisia		1	C	Que.
*Helix aspersa (Müller) "Brown garden snail" (Helicidae)	Baggage	Greece		3	APB	Que. 3x
	Baggage	Italy		4	APB	Que. 4x
	Chrysanthemum	California, USA	1		C	Alta.
	Crassula sp.	California, USA	1		C	Ont.
	Jade (plants)	California, USA	1		C	Ont.
	Snail (shipment)	Greece		1	C	Que.
	Snail (shipment)	Tunisia		1	C	Que.
	Snail (shipment)	Tunisia		1	C	Ont.

*Mollusca

PEST (insects, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
*Helix lucorum Müller (Helicidae)	Baggage	Italy		1	APB	Que.
*Helix melanostoma Draparnaud (Helicidae)	Snail shipment	Tunisia		1	C	Que.
*Helix pomatia Linn. (Helicidae)	Snail shipment (research)	Germany (West)		1	C	Ont.
Heterobostrychus aequalis (Waterhouse) (Bostrichidae)	Wood (crates)	Thailand		1	C	N.B.
Heterobostrychus brunneus (Murray) (Bostrichidae)	Wood (crates)	Thailand		1	C	N.B.
*Lacteoluna selenina (Gould) (Sagdidae)	Orchidaceae	Jamaica	1		APB	Ont.
*Limax marginatus Müller "Keeled Slug" (Limacidae)	Aucuba sp.	Belgium	1		C	Que.
Lyctus brunneus (Steph.) "Powder post beetle" (Lyctidae)	Wood (carving)	Haiti		1	C	Man.
Lyctus planicollis Lec. "Southern powder-post beetle" (Lyctidae)	Wood (bamboo)	UNKNOWN		1	C	B.C.
*Milax gagates (Draparnaud) "Greenhouse slug" (Limacidae)	Plants	California, USA	1		C	Alta.
Minthea rugicollis (Wlk.) (Lyctidae)	Wood (carving)	Hawaii		1	C	Man.
	Wood (crates)	Thailand		1	C	N.B.
	Wood (utensil)	Hawaii		1	M	Alta.
Monomorium destructor (Jerdon) (Formicidae)	Wood (sawdust packing)	Pakistan		1	C	B.C.

*Mollusca

PEST (insects, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
Nacerdes melanura (Linn.) "Wharf borer" (Oedemeridae)						
	Ship's hold	Japan		1	NE	B.C.
Naupactus xanthographus (Germar) (Curculionidae)						
	Vitis (fresh fruit)	Chile		1	C	Ont.
Noctuidae (Unidentified Cutworms) (Lepidoptera)						
	Cajanus sp.	Fiji		1	C	B.C.
	Phaseolus sp.	Fiji		1	C	B.C.
	Vigna sp.	Fiji		1	C	B.C.
Ostrinia nubilalis (Hübner) (Pyraustidae)						
	Ribes sp.	Netherlands	1		C	Ont.
*Otala atlasica Müller (Helicidae)						
	Baggage	Greece		1	APB	Que.
*Otala lactea Müller "Milk snail" (Helicidae)						
	Baggage	Italy		1	APB	Que.
	Snail (shipment)	Boston, Mass.		1	C	Que.
	Snail (shipment)	Morocco		1	C	Que.
*Otala vermiculata Müller (Helicidae)						
	Baggage	Greece		4	APB	Que 4x
	Baggage	Italy		4	APB	Que 4x
	Snail (shipment)	Greece		1	C	Que.
	Snail (shipment)	Tunisia		1	C	Que.
*Oxychilus draparnaldi (Beck) (Zonitidae)						
	Plants	California, USA	1		C	Alta.
Palaeopus costicollis Marshall (Curculionidae)						
	Dioscorea sp. (tubers)	Jamaica		1	C	Ont.
Papilio cresphomtes Cramer "Giant Swallowtail" (Papilionidae)						
	Citrus sp.	Florida, USA	1		C	Ont.

*Mollusca

PEST (insects, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
Phloeotribus scarabaeoides Bernard (Scolytidae)						
	Olea europaea	Israel		1	APB	Alta.
Phlyctaenia rubigalis Guen. "Greenhouse leaf Tier (Pyralidae)						
	Fragaria sp.	California, USA	1		C	Alta.
Pinnaspis strachani (Cooley) "Lesser Snow scale" (Diaspididae)						
	Palmaceae	Florida, USA	1		C	B.C.
Plannococcus citri (Risso) "Citrus Mealybug" (Pseudococcidae)						
	Fruit (soursop)	Trinidad		1	C	B.C.
	Nerium sp.	Guadeloupe	1		APB	Ont.
	Plants	Florida, USA	1		C	Ont.
	Schefflera	Florida, USA	1		C	Man.
Plutella xylostella Linn. "Diamond-back Moth" (Plutellidae)						
	Brassica sp.	Hawaii		1	C	B.C.
	Brassica sp. (transplants)	Virginia, USA	1		C	Alta.
	Brassica sp. (transplants)	Virginia, USA	1		C	B.C.
Potosia cuprea Fab. (Scarabaeidae)						
	Ship's hold	Japan		1	NE	B.C.
*Praticolella bakeri (Vanatta) (Polygyridae)						
	Cactaceae	Florida, USA	1		C	Man.
Rhyzopertha dominica (Fab.) "Lesser grain borer" (Bostrichidae)						
	Dal (spice)	India		1	C	B.C.
	Foodstuff (dried)	Hong Kong		9	C	Man. 8x B.C. 1x
	Grain residue in ship	UNKNOWN		17	NE	N.B. 1x, Que. 2x B.C. 14x
	Nelumbium sp.	Hong Kong		1	APB	B.C.
	Phaseolus sp.	Thailand		1	C	B.C.
	Plants (dried)	India		1	M	Sask.

*Mollusca

PEST (insects, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
Scapteriscus acletus Rehn. & Hebard. "Southern mole cricket" (Acrididae)	Ficus sp.	Florida, USA	1		C	B.C.
Sibine stimulae (Clemens) "Saddleback caterpillar" (Limacodidae)	Plant (Ti-)	Florida, USA	1		C	Alta.
Sinoxylon anale Lesne (Bostrichidae)	Wood (crates)	India		1	C	N.B.
Sinoxylon conigerum Gerst.(Bostrichidae)	Wood (crates)	Thailand		1	C	N.B.
Sitotroga cerealella (Oliv.) "Angoumois grain moth" (Gelechiidae)	Grain residue in ship	UNKNOWN		9	NE	N.B. 1x, Que. 5x, B.C. 3x
Stephanoderes hampei (Ferr.) (Scolytidae)	Herbs (dried)	Hong Kong		1	M	N.B.
Sterrha inquinata (Scop.) "Herbarium spanworm" (Geometridae)	Plant (dried herbs)	Italy		1	M	Que.
Syntomeida epilais jucundissima Dyar (Amatidae)	Nerium sp.	Florida, USA	1		C	Ont.
Tapinoma melancephalum (Fab.)(Formicidae)	Ficus sp.	Dominican Rep.	1		C	Ont.
	Hibiscus sp.	Florida, USA	1		C	Ont.
Thaneroclerus buqueti Lefevre (Cleridae)	Flour	Hong Kong		1	M	N.B.
*Theba pisana (Müller) "White garden snail" (Helicidae)	Baggage	Italy		3	APB	Que. 3x
Thyridopteryx ephemeraeformis (Haw.) (Psychidae)	Thuja sp.	Pennsylvania, USA	1		C	Ont.

*Mollusca

PEST (insects, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED	COLLECTED
Tipula oleracea Linn. "Crane Fly" (Tipulidae)	Carton (shipping)	Netherlands	1		C	Ont.
Trogoderma granarium Everts "Khapra beetle" (Dermestidae)	*Coriander* (seed)	India		1	C	B.C.
	Dry stores (ship)	UNKNOWN		1	NE	N.S.
Trogoxylon prostomoides (Gorham) (Lyctidae)	Wood (medicinal stems)	India		1	C	Ont.
	Wood (furniture)	Mexico		1	C	Que.
	Wood (bamboo baskets)	UNKNOWN		2	C	Ont. 2x
**Veronicella ameghini* (Gambetta) (Veronicellidae)	Plants (greenhouse)	Florida, USA	1		C	N.B.
**Veronicella floridana* Leidy (Veronicellidae)	*Ficus* sp.	Honduras	1		C	Ont.
Wasmannia auropunctata (Roger) "Little fireant" (Formicidae)	Plants (house)	Taiwan	1		APB	B.C.
**Zachrysia provisoria* (Pfeiffer) (Camaenidae)	*Cacti* sp.	Florida, USA	1		C	Man.
	Dracaena sp.	Florida, USA	1		C	Ont.

*Mollusca

NEMATOLOGY
J. Scott

PEST	HOST	COUNTRY OF ORIGIN	NO. INTERCEPTIONS IN Propagation	NO. INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
Anguina agrostis (Steinbuch 1799) Filip, 1936 "grass seed nematode" (Tylenchidae):						
	Agrostis spp. (bent grass)	Oregon, USA	1		M	Ont.
Aphelenchoides dactylocerus Hooper, 1958 (Aphelenchoididae)						
	Clematis	Holland	1		C	Ont.
	Chamaecyparis	Holland	1		C	B.C.
Aphelenchoides n. sp. (near A. coffeae) (Zimmermann, 1898) Filipjev, 1934 (Aphelenchoididae):						
	Chrysanthemum	Hong Kong	1		APB	B.C.
Aphelenchoides parietinus (Bastian, 1865) Steiner, 1932 (Aphelenchoididae)						
	Sterile Growing Media	England		1	C	Ont.
	Ficus	England	1		C	Ont.
Aphelenchoides ritzemabosi (Schwartz, 1911) Steiner & Buhrer 1932 (Aphelenchoididae):						
	Fragaria	Mich. USA	1		C	Qué.
Aphelenchoides sp. (near rutgersi) Hooper & Myers, 1971 (Aphelenchoididae)						
	Chrysanthemum	Hong Kong	1		APB	B.C.
Aphelenchoides sp. "foliar nematodes" (Aphelenchoididae):						
	Soil	Fla, U.S.A.		1	C	N.B.
	Sterile Lava Growing Media	Hawaii		1	C	Ont.

PEST	HOST	COUNTRY OF ORIGIN	NO. INTERCEPTIONS IN Propagation	Consumption	CARRIED IN	COLLECTED IN
Criconemoides sp. "ring nematode" (Criconematinae):						
	Allium	Germany	1		C	Alta.
	Cactus	Holland	1		APB	Alta.
	Plants (herb)	Trinidad	1		C	Ont.
Ditylenchus destructor Thorne 1945 "potato rot nematode" (Tylenchidae):						
	Iris	Wash., USA	2		C	B.C. (2X)
Ditylenchus dipsaci (Kühn 1857) Filip. 1936 "bulb and stem nematode" (Tylenchidae):						
	Allium	Cal., USA	1		C	B.C.
Ditylenchus sp. (Tylenchidae):						
	Allium	Germany	1		APB	Alta.
	Bromelia	Italy	1		C	Ont.
	Cactus	Holland	1		APB	Alta.
Globodera rostochiensis (Wollenweber, 1923) "Golden nematode" (Heteroderidae):						
	Agric. Mach. (with soil)	Japan		2	C	B.C. (2X)
	Calluna	Scotland	1		APB	Alta.
	Chrysanthemum	Holland	1		APB	Man.
	Oxalis	Ireland	2		M	Ont. (2X)
Globodera sp. (Heteroderidae):						
	Agric. Mach. (with soil)	Japan		2	C	B.C. (2X)
Helicotylenchus digonicus Perry in Perry, Darling & Thorne, 1959 "Spiral nematode" (Tylenchidae):						
	Cactus	Holland	1		APB	Alta.

PEST	HOST	COUNTRY OF ORIGIN	NO. INTERCEPTIONS IN Propagation	Consumption	CARRIED IN	COLLECTED IN
Helicotylenchus dihystera (Cobb, 1893) Sher, 1961 (Tylenchidae):						
	Ficus	Fla., USA	1		C	B.C.
Helicotylenchus exallus Sher, 1966 (Tylenchidae):						
	Soil & Rock	Kenya		1	C	N.B.
Helicotylenchus ?exallus (Tylenchidae):						
	Quercus	Germany	1		APB	Alta.
Helicotylenchus n. sp. (Tylenchidae):						
	Soil & Rock	Kenya		1	C	N.B.
Helicotylenchus pseudorobustus (Steiner, 1914) Golden, 1956 (Tylenchidae):						
	Allamanda	Denmark	1		C	Ont.
	Bromelia	Italy	1		C	Ont.
	Chamaedorea elegans	Italy	2		C	Ont. (2X)
	Sphagnum moss	Holland		2	C	B.C. (2X)
	Unknown (soil)	England	1		APB	Alta.
Helicotylenchus varicaudatus Yuen, 1964 (Tylenchidae):						
	Quercus	Germany	1		APB	Alta.
Helicotylenchus sp. "spiral nematodes" (Tylenchidae):						
	Allium	Germany	1		APB	Alta.
	Clay (molding clay)	Haiti		1	C	Ont.
	Dahlia	India	1		APB	Alta.
	Lillium	Germany	1		APB	Alta.
	Malus	Conn. USA	1		C	Qué.
	Palmaceae	Hungary	1		APB	Alta.
	Plants (herbaceous)	England	1		APB	Alta.
	" "	Puerto Rico	1		C	Ont.
Hemicyliophora typica de Man, 1921 Sheath nematode (Criconematinae):						
	Mahonia aquifolium	Holland	1		C	B.C.

PEST	HOST	COUNTRY OF ORIGIN	NO. INTERCEPTIONS IN Propagation	Consumption	CARRIED IN	COLLECTED IN
Heterodera avenae Filipjev, 1934 "oat cyst nematode" (Heteroderidae):						
	Armed Forces Equip. (Tank with soil)	Germany		1	C	Québec
	Armed Forces Equip. (Gun Carriers with soil)	Japan		1	C	B.C.
	Palmaceae	Hungary	1		APB	Alberta
	Plants (herbaceous)	France			C	Québec
	Rheum	Holland	1		APB	Manitoba
	solanum	Germany	1		C	Manitoba
Heterodera bifenestra Cooper, 1955 (Heteroderidae):						
	Sphagnum moss	Holland		1	C	B.C.
	Plants (herbaceous)	Germany	1		M	Québec
Heterodera cacti Filip & Stek, 1941 "cactus cyst nematode" (Heteroderidae):						
	Agric. mach. (with soil)	Japan		1	C	B.C.
	Cactus	France	1		M	Québec
	Escargots(with soil)	Spain		1	APB	Québec
Heterodera ? cacti Filip & Stek, 1941 "cactus cyst nematode" (Heteroderidae):						
	Agric. mach. (Tractor with soil)	Japan		1	C	B.C.
Heterodera cruciferae Franklin, 1945 "cabbage cyst nematode" Heteroderidae):						
	Allium	Germany	1		APB	Alberta
	Artemisia	France	1		APB	B.C.
	Crassula	Italy	1		APB	B.C.

PEST	HOST	COUNTRY OF ORIGIN	NO. INTERCEPTIONS IN Propagation	Consumption	CARRIED IN	COLLECTED IN
Heterodera ? cyperi Golden, Rau & Cobb, 1962 (Heteroderidae):	Agric. Mach. Tractor with soil)	Japan		2	C	B.C. (2X)
Heterodera fici Kirjanova, 1954 (Heteroderidae):	Agric. Mach. (Tractor with soil)	Japan		1	C	B.C.
	Plants (woody)	Portugal	1		M	B.C.
Heterodera ? galeopsidis Filipjev & Schuurmans Stekhoven, 1941	Rooted Ornamental hardwood cuttings	Italy	1		M	Ont.
Heterodera ? glycines Ichinohe 1952 "Soybean cyst nematode" (Heteroderidae):	Soil	Ethiopia		1	C	Ont.
Heterodera ? goettingiana Liebscher, 1892 "pea-root nematode" (Heteroderidae):	Rheum	Holland	1		APB	Man.
Heterodera goettingiana Liebscher, 1892 "pea-root nematode" (Heteroderidae):	Agric. Mach (Tractor with soil)	Japan		7	C	B.C. (7X)
Heterodera ? graminis Stynes, 1971 (Heteroderidae):	Plants (woody)	Oregon, USA	1		C	B.C.

PEST	HOST	COUNTRY OF ORIGIN	NO. INTERCEPTIONS IN Propagation	Consumption	CARRIED IN	COLLECTED IN
Heterodera humuli Filip, 1934 "hop cyst nematode" (Heteroderidae):						
	Auto (with soil)	Germany		1	C	B.C.
	Crassula	Italy	1		APB	B.C.
	Plants (woody)	Poland	1		APB	Man.
	Soil	Scotland		1	APB	Alta.
	Soil & Rock	Kenya		1	C	N.B.
Heterodera latipons Franklin 1969 (Heteroderidae):						
	Armed Forces Equip. (With soil)	Germany		1	C	Qué.
Heterodera ? schachtii Schmidt, 1871 "sugar beet cyst nematode" (Heteroderidae):						
	Rheum	Holland	1		APB	Man.
Heterodera schachtii Schmidt, 1871 "sugar beet cyst nematode" (Heteroderidae):						
	Cactus	Puerto Rico	1		C	Man.
	Chrysanthemum	Holland	1		APB	Man.
	Rosemarinus	Italy	1		APB	B.C.
Heterodera sp. (Heteroderidae):						
	Agric. Mach. (Tractor with soil)	Japan		4	C	B.C. (4X)
	Auto (with soil)	England		1	C	B.C.
	Cactus	Puerto Rico	1		C	Man.
	Rosemarinus	Italy	1		APB	B.C.
Heterodera ? trifolii Goffart, 1944 "clover-cyst nematode" (Heteroderidae):						
	Rheum	Holland	1		APB	Man.
	Rosemarinus	Italy	1		APB	B.C.

PEST / HOST	COUNTRY OF ORIGIN	NO. INTERCEPTIONS IN Propagation	NO. INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
Heterodera trifolii Goffart 1944 "clover-cyst nematode" (Heteroderidae):					
Agric. Mach. (tractor with soil)	Japan		8	C	B.C. (8X)
Armed Forces Equip. (Gun Carrier with soil)..	Japan		1	C	B.C.
Auto (with soil)	Denmark		1	C	Qué.
Auto (with soil)	Germany		2	C	Qué. & B.C.
Plants (herb.)	Portugal	1		M	Qué.
Clothing (sneakers with soil)	England		1	seaB	Nfld.
Heterodera ? weissi Steiner, 1949 (Heteroderidae):					
Fragaria.....	Wash., U.S.A.	1		C	B.C.
Plants (woody)	Oregon, U.S.A.	1		C	B.C.
Macroposthonia xenoplax (Raski, 1952) de Grisse and Loof, 1965 (Criconematinae):					
Soil	Holland		1	APB	Alta.
Meloidogyne hapla Chitwood, 1949 a "Northern root-knot nematode" (Heteroderidae):					
Euphorbia	Italy	1		C	Ont.
Palmaceae	Fla., U.S.A.	1		C	B.C.
Rosa	Belgium	1		C	Qué.
Rosa	Holland	2		C	Qué, (2X)
Rosa	Northern Ireland	1		M	Ont.
Spiraea	Tenn., U.S.A.	1		C	Ont.
Weigela	Iowa, U.S.A.	1		C	Ont.
Meloidogyne incognita (Kofold & White, 1919) Chitwood 1949 "Southern root-knot nematode" (Heteroderidae):					
Deutzia	Tenn., U.S.A.	2		C	Ont. (2X)
Lycopersicon	Ga., U.S.A.	2		C	Ont. (2X)

PEST / HOST	COUNTRY OF ORIGIN	NO. INTERCEPTIONS IN Propagation	NO. INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
Meloidogyne javanica (Treub 1885) Chitwood 1949 "Javanese root-knot nematode" (Heteroderidae):					
Lycopersicon	Ga., U.S.A.	2		C	Ont. (2X)
Meloidogyne sp. (Heteroderidae):					
Brassica	Virg. U.S.A.	1		C	B.C.
Cactus	Holland	1		APB	Alta.
Lonicera	Tenn., U.S.A.	1		C	Ont.
Palmaceae	Fla. U.S.A.	1		C	B.C.
Philadelphus	N.Y., U.S.A.	3		C	Ont. (3X)
Plants (herb)	Puerto Rico	1		C	Ont.
Potentilla	N.Y., U.S.A.	1		C	Ont.
Prunus	Tenn., U.S.A.	1		C	Ont.
Rosa	Holland	1		C	Qué.
Weigela	N.Y., U.S.A.	1		C	Ont.
Paratrichodorus ? *christiei* (Nanidorus) (Allen, 1957) Siddiqi, 1973 (Diphtherophoridae): "stubby root nematodes"					
Rhododendrons (Greenhouse)	Virg., U.S.A.	1		C	Ont.
Paratrichodorus (*Nanidorus*) near *renifer* Siddiqi, 1973 (Diphtherophoridae):					
Bromelia	Italy	1		C	Ont.
Paratrichodorus [*Nanidorus*] sp. (Allen 1957) Siddiqi 1973 (Diphtherophoridae):					
Bromelia	Italy	1		C	Ont.
Paratrichodorus sp. (Diphtherophoridae):					
Mahonia aquifolium	Holland	1		C	B.C.
Paratylenchus italiensis "pin nematode" (Criconematidae):					
Bromelia	Italy	1		C	Ont.

PEST	HOST	COUNTRY OF ORIGIN	NO. INTERCEPTIONS IN		CARRIED IN	COLLECTED IN
			Propagation	Consumption		
Paratylenchus sp. "pin-nematode" (Criconematodae):						
	Cactus	Holland	1		APB	Alta.
	Soil	England		1	APB	Alta.
Pratylenchus neglectus (Rensch, 1924) Filipjev and Schuurmans Stekhoven, 1941 (Tylenchidae):						
	Mahonia aquifolium	Holland	1		C	B.C.
Pratylenchus penetrans (Cobb, 1917) Filipjev & Schuurmans Stekhoven, 1941 "root-lesion nematode" (Tylenchidae):						
	Cactus	Holland	1		APB	Alta.
	Chamaecyparis	Holland	1		C	B.C.
	Clematis	Holland	1		C	Ont.
	Mahonia aquifolium	Holland	1		C	B.C.
	Thuja	U.S.A.	1		C	Qué.
Pratylenchus sp. (Tylenchidae):						
	Philadelphus	N.Y., U.S.A.	1		C	Ont.
	Malus	Conn., U.S.A.	1		C	Qué.
	Soil	England		1	APB	Alta.
	Thuja	Holland	1		C	Ont.
Pratylenchus vulnus Allen & Jensen, 1951 (Tylenchidae):						
	Philadelphus	N.Y., U.S.A.	1		C	Ont.
	Pteris	Puerto Rico	2		C	Alta. (2X)
Punctodera punctata (Thorne, 1928) "grass-cyst nematode" (Heteroderidae):						
	Clothing (sneakers with soil)	England		1	APB	Nfld.
	Plants (herb)	France	L		C	Qué.
	Soil	United Kingdom		1	Sea Bagg.	Nfld.

PEST	HOST	COUNTRY OF ORIGIN	NO. INTERCEPTIONS IN Propagation	NO. INTERCEPTIONS IN Consumption	CARRIED IN	COLLECTED IN
Pseudhalenchus minutus Tarjan, 1958 (Tylenchinae):						
	Rhododendrons "GH"	Virg., U.S.A.	1		C	Ont.
Rotylenchus fallorobustus Sher, 1965 "spiral nematode" (Tylenchidae):						
	Allamanda	Denmark	1		C	Ont.
	Cactus	Holland	1		APB	Alta.
Rotylenchus goodeyi Loof & Oostenbrink 1958 "spiral nematode" (Tylenchidae):						
	Cactus	Holland	1		APB	Alta.
Rotylenchus robustus (de Man, 1876) Filipjev, 1936 "spiral nematode" (Tylenchidae):						
	Cedrus	Conn., U.S.A.	1		C	Qué.
Rotylenchus rugatocuticulatus Sher, 1965 "spiral nematode" (Tylenchidae):						
	Cactus	Holland	1		APB	Alta.
Rotylenchus sp. "spiral nematode" (Tylenchidae):						
	Plants (herb.)	Trinidad	1		C	Ont.
	Quercus	Germany	1		APB	Alta.
Tylenchorhynchus ? clarus Allen, 1955 (Tylenchidae):						
	Soil & rock	Kenya		1	C	N.B.
Tylenchorhynchus claytoni Steiner, 1937 "tobacco stunt nematode" (Tylenchidae):						
	Plants (herb.)	Denmark	1		C	Ont.
	Rhododendron "GH"	Virg., U.S.A.	1		C	Ont.

PEST HOST	COUNTRY OF ORIGIN	NO. INTERCEPTIONS IN Propagation	Consumption	CARRIED IN	COLLECTED IN
Tylenchorhynchus dubius (Bütschli, 1873) Filipjev, 1936 (Tylenchidae):					
Cactus	Holland	1		APB	Alta.
Quercus	Germany	1		APB	Alta.
Soil	England		1	APB	Alta.
Tylenchorhynchus irregularis Wu, 1969 (Tylenchidae):					
Plants (herb.)	Puerto Rico	1		C	Ont.
Polypodium	Hawaii	1		C	Ont.
Pteris	Puerto Rico	1		C	Man.
Tylenchorhynchus martini Fielding, 1956 (Tylenchidae):					
Ficus	Fla., U.S.A.	1		C	B.C.
Tylenchorhynchus sp. "stunt nematode" (Tylenchidae):					
Soil	England		1	APB	Alta.
Tylenchus davainei Bastian, 1865 (Tylenchidae):					
Cactus	Holland	1		APB	Alta.
Quercus	Germany	1		APB	Alta.
Tylenchus exiguus de Man, 1876 (Tylenchidae):					
Quercus	Germany	1		APB	Alta.
Tylenchus sp. (Undescribed) (Tylenchidae):					
Sterile crushed lava growing medium	Hawaii		1	C	Ont.
Xiphinema ? americanum Cobb, 1913 "American Dagger nematode" (Longidoridae):					
Malus	Okl., U.S.A.	1		C	Ont.
Xiphinema sp. "American dagger nematode" (Longidoridae):					
Clay (Pottery of Haiti)	Haiti		1	C	Ont.

PATHOLOGY
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PEST (Fungus, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	Consumption	CARRIED IN	PROV. OF COLLECTION
Alternaria ? actinophylla Miller "leaf spot"	Schefflera	Florida (5x)	4	1	C(5x)	Ont.(2x)
Alternaria brassicicola (Schw.) Wiltshire	Brassica (cabbage)	Virginia (USA)	1		C	B.C.
Apple Chlorotic Leafspot (virus)	Malus var's 10C-18-33	Wash.	1			B.C.
	Anis Aliy K-32	USSR	1			B.C.
	Bessemjanka	USSR	1			B.C.
	Cranzheroje K-1077	USSR	1			B.C.
	Frumos de Voinesti	Romania	1			B.C.
	Golden Hornet NA8177	Wash.	1			B.C.
	Korichnoe Polosatoje K-805	USSR	1			B.C.
	Ma Janssen strain	Netherlands	1			B.C.
	M3	England	1			B.C.
	M4	England	1			B.C.
	M8	England	1			B.C.
	Muscatet de Dieppe	France	1			B.C.
	Peyping Ceruneko	Romania	1			B.C.
	Rite Simirenko	Romania	1			B.C.
	Roda Manet	Netherlands	1			B.C.
	Rosu de Cluj	Romania	1			B.C.
	Tr. I-48-41	USSR	1			B.C.
	Uralskoje	USSR	1			B.C.
Apple Rubbery wood (virus)	Malus var Uralskoje Nalivnoje	USSR	1			B.C.
Apple Spy Epinasty & Decline (virus)	Malus var's 10C-18-33	Italy	1			B.C.
	Anis Aliy K-32	USSR	1			B.C.
	Bessemjanka	USSR	1			B.C.
	Cranzheroje K-1077	USSR	1			B.C.
	Frumos de Voinesti	Romania	1			B.C.
	Korichnoe Polostoje K-805	USSR	1			B.C.
	Muscatet De Dieppe	France	1			B.C.
	Peyping Ceruenko	Romania	1			B.C.
	Rite Simirenko	Romania	1			B.C.
	Roda Mantet	Netherlands	1			B.C.
	Rosu de Cluj	Romania	1			B.C.
	Tr. I-48-41	USSR	1			B.C.

PEST (Fungus, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	Consumption	CARRIED IN	PROV. OF COLLECTION
Apple stem grooving virus (includes Brown line virus - * indicates both symptoms, stem grooving & brown line)						
	Malus var's 10C-18-33 *	Italy	1			B.C.
	Anis Aliy K-32 *	USSR	1			B.C.
	Bessemijanka	USSR	1			B.C.
	Frumos de Voinesti	Romania	1			B.C.
	Muscatet De Dieppe *	France	1			B.C.
	Peyping Ceruenko *	Romania	1			B.C.
	Rite Simirenko	Romania	1			B.C.
	Roda Mantet	Netherlands	1			B.C.
	Rosa de Cluj	Romania	1			B.C.
	Tr. I-48-41 *	USSR	1			B.C.
Apple stem pitting (virus)						
	Malus var's 10C-18-33	Italy	1			B.C.
	Anis Aliy K-32	USSR	1			B.C.
	Bessemijanka	USSR	1			B.C.
	Frumos de Voinesti	Romania	1			B.C.
	Muscate De Dieppe	France	1			B.C.
	Peyping Ceruenko	Romania	1			B.C.
	Rite Simirenko	Romania	1			B.C.
	Roda Mantet	Netherlands	1			B.C.
	Rosu de Cluj	Romania	1			B.C.
	Tr. I-48-41	USSR	1			B.C.
Botryosphaeria obtusa (Schw.) Shoemaker the conidial stage Diplodia vincae (Sacc.) Wint. "stem canker"						
	Vinca minor	Tenn. USA	1		C	B.C.
Brown line virus (see Apple stem grooving virus)						
Cercospora sp. (causing oedema)						
	Peperomia	Florida USA	1		C	Ont.
Cherry little cherry (virus)						
	Prunus (cherry) var CAB/9E	Italy	1			B.C.
Collectotrichum lindemuthianum (Sacc. & Magn.) Bri. & Cav. "anthracnose"						
	Phaseolus (seeds)	Yugoslavia		1	APB	Man.
Coniothyrium concentricum (Desm.) Saac. imperfect stage of Leptosphaeria obtusispora Speg. "Brown leaf spot"						
	Yucca spp.	Florida (2x)	1	1	C(2x)	Ont.(2x)
Cylindrocarpon radicicola Wr.						
	Tilia cordata	Netherlands	1		C	B.C.
	Cornus sp.	Netherlands	1		C	Ont.

PEST (Fungus, etc.)	HOST (or carrier)	COUNTRY	NO. OF INTERCEPTIONS IN Propagation	Consumption	CARRIED IN	PROV. OF COLLECTION
Cylindrocladium scoparium Morgan						
	Rhododendron	Florida USA		1	C	N.S.
Exobasidium vaccinii Wor.						
"leaf galls"						
	Rhododendron	Calif. USA	1		C	Alta.
Fusarium oxysporum Schlecht. f. sp. tulipae Apt.						
	Tulipa (bulbs)	Japan	1		C	B.C.
Glomerella cingulata (Ston.) Spauld. & Shrenk						
usually as the Colletotrichum gloeosporioides Penz. Stage (*means perfect stage present) "anthracnose"						
	Dracaena	Florida USA	1		C	Ont.
	Fatsia	Florida USA	1		C	Man.
	Ficus pandura	Oregon USA	1		C	B.C.
	Ficus lyrata *	Netherlands	1		C	Man.
	Ficus	Florida USA	1		C	Man.
	Palmaceae (Areca)	Florida USA		1	C	Ont.
	(Howea)	Florida USA	1		C	Alta.
	Philodendron pertusum	Florida USA	1		C	Que.
	Yucca *	Florida USA	1		C	Man.
Grapevine fanleaf (virus)						
	Vitis var's Keknyelu	Hungary	1			B.C.
	Varousset (S.V.23657).	France	1			B.C.
	Crovantina	Italy	1			B.C.
	Forta	W. Germany	1			B.C.
	Riesling	W. Germany	1			B.C.
	B-6-18	W. Germany	1			B.C.
	S.V. 18307	W. Germany	1			B.C.
	Riesling Muscat St. Laurent.	France	1			B.C.
	Gewurztraminer	France	1			B.C.
	Ravat 6	France	1			B.C.
	Gamay Leroux	W. Germany	1			B.C.
	Riesling G.M. 49-84	W. Germany	1			B.C.
	Riesling Clone 239	W. Germany	1			B.C.
	Kazabouzno	USSR	1			B.C.
	Irchkimar	USSR	1			B.C.
	Erenfelser	W. Germany	1			B.C.
	Riparia	W. Germany	1			B.C.
	5C KL 6-4-22	W. Germany	1			B.C.
	Weiser Burgander	W. Germany	1			B.C.
	Merlot Rouge	France	1			B.C.
	Pinot gris	France	1			B.C.
	5BB Clone 52	France	1			B.C.
	Marechal Foch	France	1			B.C.
	Gamay chardonnay	France	1			B.C.
	Gamay Beaujolais/3309	France	1			B.C.

PEST (Fungus, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN	PROV. OF COLLECTION
	Pinot Chardonnay/3309 ..	France	1			B.C.
	Pinot Chardonnay/5BB ...	France	1			B.C.
	S.V. 5276/5BB	France	1			B.C.
	S.V. 5276/SO_4	France	1			B.C.
	Merlot	Calif.	1			B.C.
	Certified #111/3309	France	1			B.C.
	Certified #5/SO_4	France	1			B.C.
	Ehrenfelser	W. Germany	1			B.C.
	Oraniensteiner	W. Germany	1			B.C.
	GM 4-46/5C	W. Germany	1			B.C.
	Schonburger	W. Germany	1			B.C.
	Limberger (Weinberg) ...	W. Germany	1			B.C.
	Muller Thurgau	W. Germany	1			B.C.
	Chardonnay/3309	France	1			B.C.
Grapevine Fleck virus						
Vitis var's	GM 32258	W. Germany	1			B.C.
	GM 31857	W. Germany	1			B.C.
	GM 32358	W. Germany	1			B.C.
	GM 32458	W. Germany	1			B.C.
	GM 31657	W. Germany	1			B.C.
	Gewurtraminer	W. Germany	1			B.C.
	Rotberger	W. Germany	1			B.C.
	Wiltberger	W. Germany	1			B.C.
	Wiltberger F6	W. Germany	1			B.C.
	Arnsburger	W. Germany	1			B.C.
	Reichensteiner	W. Germany	1			B.C.
	125 AA	W. Germany	1			B.C.
	Gamay Beaujolais	Calif.	1			B.C.
	Kerner	W. Germany	1			B.C.
	S.V. 5276	Maryland	1			B.C.
	Seibel 13053	Maryland	1			B.C.
	Johannisberg Riesling .	W. Germany	1			B.C.
	Pinot gris	W. Germany	1			B.C.
	Chardonnay R.G.G.	W. Germany	1			B.C.
	Muller Thurgau	W. Germany	1			B.C.
	Deckrot C12-3	W. Germany	1			B.C.
	Osteiner	W. Germany	1			B.C.
	Ehrenfelser	W. Germany	1			B.C.
	GM 32548	W. Germany	1			B.C.
	Gamay Beaujolais	France	1			B.C.
	S.V. 5276/5BB	France	1			B.C.
	Johannisberg Riesling .	W. Germany	1			B.C.
	Leon Millot	New York	1			B.C.
	Merlot	Calif.	1			B.C.
	White Riesling	Calif.	1			B.C.
	Certified #111/3309 ...	France	1			B.C.
	Certified Clone #114/5BB.	France	1			B.C.
	Riesling White.GM 239 .	W. Germany	1			B.C.
	Scheurebe	W. Germany	1			B.C.
	Schonburger/5C	W. Germany	1			B.C.
	GM 4-46	W. Germany	1			B.C.
	Ortega	W. Germany	1			B.C.
	Gewurtztraminer	W. Germany	1			B.C.
	Ehrenfelser (RSB 10) ...	W. Germany	1			B.C.

PEST (Fungus, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	Consumption	CARRIED IN	PROV. OF COLLECTION
Grapevine Leafroll (virus)						
	Vitis var's Muller Thurgau	W. Germany	1			B.C.
	Scheurebe	W. Germany	1			B.C.
	Pinot moir/so$_4$	France	1			B.C.
	Tajri Rozovuy	USSR	1			B.C.
	Gamay Beaujolais	Calif.	1			B.C.
	Pinot Chardonnay	France	1			B.C.
	Rielaner	W. Germany	1			B.C.
	Garonnet (S.V. 18283)	France	1			B.C.
	Crovantina	Italy	1			B.C.
	Chasselas Royale	France	1			B.C.
	Vine Red	New York	1			B.C.
	Castel 19637	New York	1			B.C.
	Jakaranda	S. Africa	1			B.C.
	Merlot/SO$_4$	France	1			B.C.
	3309 Standard	France	1			B.C.
	Osteiner	W. Germany	1			B.C.
	Limberger (Weinsberg)	W. Germany	1			B.C.
	Schwarzriesling	W. Germany	1			B.C.
	Gamay Beaujolais/3309	France	1			B.C.
Gymnosporangium globosum Farl.						
	Juniperus sp.	Montana USA	1		C	Alta.
Pear Ring Pattern mosaic (virus)						
	Pyrus var's Coscia Precoce	Italy	1			B.C.
	Spadona Di Salerno	Italy	1			B.C.
	Spina Carpi	Italy	1			B.C.
Phomopsis elaeagni (Carter & Sacamono) Arnold & Carter "a canker"						
	Elaeagnus angustifolia	W. Germany	1		C	Ont.
Phomopsis sp.						
	Betula pendula	Belgium	1		C	Ont.
Phyllosticta hibiscina Ell.& Ev.						
	Hibiscus	Florida USA	1		C	Ont.
Phyllosticta minor Ell. & Ev.						
	Vinca minor	Tenn. USA	1		C	B.C.
Phytophthora sp.						
	Cactaceae	Calif. USA	1		C	B.C.
		Netherlands	1		C	Ont.
	Dracaena warneckii	Puerto Rico	1		C	Ont.

PEST (Fungus, etc.)	HOST (or carrier)		COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN	PROV. OF COLLECTION
Prune Dwarf virus and/or Prunus Necrotic Ringspot virus							
	Prunus var's (cherry)	Badasloner ..	Denmark	1			B.C.
		Bing	Netherlands	1			B.C.
		CAB/9E	Italy	1			B.C.
		Knuthenborg .	Denmark	1			B.C.
		Napolean	USA	1			B.C.
		Princess	Denmark	1			B.C.
	Prunus avium var's	Dawson	New Zealand	1			B.C.
		Schneiders Sildige..	Denmark	1			B.C.
		Teichnus Schwarze ..	Denmark	1			B.C.
		Valeska	Denmark	1			B.C.
Prunus necrotic ringspot (virus)							
	Prunus var's (Plum)	Myrobalan ...	Netherlands	1			B.C.
		Vinat Romanesc..	Romania	1			B.C.
	(Peach)	Fauorita #3	Italy				
		VII/20	Yugoslavia	1			B.C.
Puccinia graminis Pers							
	Triticum		Italy		1	C	Que.
Synchytrium endobioticum (Schilb.) Perc.							
	Narcissus (bulbs & soil)		England		1	APB	Nfld.
Uromyces phaseoli							
	Phaseolus (seed)		Yugoslavia		1	APB	Man.
Vollutella pachysandrae Hutch (imperfect stage of Pseudonectria pachysandricola Dodge) "leaf blight & stem canker"							
	Pachysandra terminalis		Netherlands		1	C	Ont.
Xanthomonas hederae (Arnaud) Dowson "Bacterial leafspot"							
	Hedera sp.		Calif. USA(2x)	2		C(2x)	Man.(2x)
	.....		Florida USA(2x)	2		C(2x)	N.S., Man.
	.....		Conn. USA	1		C	Ont.

HOST (or carier) OF INTERCEPTED PEST

ACER:	
Autographa brassicae	(Insect)
AGRICULTURAL MACHINERY (Tractors)	
Globodera rostochiensis (2X)	(Nematode)
Globodera sp. (2X)	"
Heterodera cacti	"
Heterodera ? cacti	"
Heterodera ? cyperi (2X)	"
Heterodera fici	"
Heterodera goettingiana (7X)	"
Heterodera sp. (4X)	"
Heterodera trifolii (8X)	"
AGROSTIS SPP.	
Anguina agrostis	"
AIR CARGO:	
Achatina fulica	(Mollusc)
Cepaea hortensis	"
ALLAMANDA:	
Helicotylenchus pseudorobustus	(Nematode)
ALLIUM:	
Criconemoides sp.	(Nematode)
Ditylenchus dipsaci	"
Ditylenchus sp.	"
Eriopis connexa chilensis	(Insect)
Gryllus veletis	"
Helicotylenchus sp.	(Nematode)
Heterodera cruciferae	"
ARMED FORCE EQUIPMENT (Tank):	
Heterodera avenae	(Nematode)
(Gun carriers):	
Heterodera avenae	(Nematode)
Heterodera latipons	"
(Gun carrier with soil):	
Heterodera trifolii	(Nematode)
ARTEMISIA:	
Heterodera cruciferae	(Nematode)
AUCUBA:	
Limax marginatus	(Mollusc)
AUTO:	
Heterodera humuli	(Nematode)
Heterodera sp.	"
Heterodera trifolii (3X)	"

BAGGAGE:	
Archachatina marginata suturalis	(Mollusc)
Blatta orientalis	(Insect)
Helicella neglecta	(Mollusc)
Helix aperta (3X)	"
Helix aspersa (7X)	"
Helix lucorum	"
Otala atlasica	"
Otala lactea	"
Otala vermiculata (8X)	"
Theba pisana (3X)	"
'BAIT: (fish):	
Galleria mellonella	(Insect)
BETULA:	
Phomopsis sp.	(Fungus)
BRASSICA (cabbage):	
Alternaria brassicicola	(Fungus)
Meloidogyne sp.	(Nematode)
Plutella xylostella	(Insect)
BROMELIA:	
Ditylenchus sp.	(Nematode)
Helicotylenchus pseudorobustus	"
Paratrichodorus (Nanidorus) near renifer	"
Paratrichodorus (Nanidorus) sp.	"
Paratylenchus italiensis	"
CACTACEAE:	
Bradybaena similaris	(Mollusc)
Criconemoides sp.	(Nematode)
Ditylenchus sp.	"
Drymaeus multilineatus	(Mollusc)
Helicotylenchus digonicus	(Nematode)
Heterodera cacti	"
Heterodera schachtii	"
Heterodera sp.	"
Meloidogyne, sp.	"
Phytophthora sp. (2X)	(Fungus)
Paratylenchus sp.	
Praticolella bakeri	(Mollusc)
Pratylenchus penetrans	(Nematode)
Rotylenchus fallorobustus	"
Rotylenchus goodeyi	"
Rotylenchus rugatocuticulatus	"
Tylenchorhynchus dubius	"
Tylenchus davainei	"
Zachrysia provisoria	(Mollusc)
CAJANUS:	
Ancylostomia stercorea	(Insect)
Noctuidae	"

HOST (or carier) OF INTERCEPTED PEST

CALLUNA:
- Globodera rostochiensis (Nematode)

CARTON:
- Tipula oleracea (Insect)

CASTANEA:
- Curculio ? elephas (2X) (Insect)

CEDRUS:
- Rotylenchus robustus (Nematode)

CHAMAECYPARIS:
- Aphelenchoides dactylocerus (Nematode)
- Pratylenchus penetrans "

CHAMAEDORA ELEGANS:
- Helicotylenchus pseudorobustus (2X) (Nematode)

CHRYSANTHEMUM:
- Aphelenchoides n. sp. (near A. coffeae) (Nematode)
- Aphelenchoides sp. (near A. rutgersi) "
- Autographa brassicae (Insect)
- Autographa oo "
- Globodera rostochiensis (Nematode)
- Helix aspersa (Mollusc)
- Heterodera schachtii (Nematode)

CITRUS:
- Papilio cresphomtes (Insect)

CLAY:
- Helicotylenchus sp. (Nematode)
- Xiphinema sp. "

CLEMATIS:
- Aphelenchoides datylocerus (Nematode)
- Pratylenchus penetrans "
- Heterodera trifolii "
- Punctodera punctata "

CORIANDER:
- Trogoderma granarium (Insect)

CORNUS:
- Cylindrocarpon radicicola (Fungus)

CRASSULA:
- Helix aspersa (2X) (Mollusc)
- Heterodera curciferae (Nematode)
- Heterodera humuli "

CUPRESSUS:
- Elaphidion mucronatum (Insect)

DAL:
- Rhyzopertha dominica (Insect)

DAHLIA:
- Helicotylenchus sp. (Nematode)

DEUTZIA:
- Meloidogyne incognita (2X) (Nematode)

DIOSCOREA:
- Palaeopus costicollis (Insect)

DRACAENA:
- Bradybaena similaris (2X) (Mollusc)
- Crysomphalus aonidum (Insect)
- Colletotrichum gloeosporioides (Fungus)
- Phytophthora sp. "
- Zachrysia provisoria (Mollusc)

DRY STORES:
- Trogoderma granarium (Insect)

ELAEAGNUS:
- Phomopsis elaeagni (Fungus)

ESCARGOTS:
- Heterodera cacti (Nematode)

EUPHORBIA:
- Meloidogyne hapla (Nematode)

FATSIA:
- Colletotrichum gloeosporioides (Fungus)

FERN:
- Deroceras reticulatum (Mollusc)

FICUS:
- Aphelenchoides parietinus (Nematode)
- Bradybaena similaris (Mollusc)
- Chrysomphalus aonidum (Insect)
- Colletotrichum gloeosporioides (3X) (Fungus)
- Helicotylenchus dihystera (Nematode)
- Scapteriscus acletus (Insect)
- Tapinoma melancephalum "
- Tylenchorhynchus martini (Nematode)
- Veronicella floridana (Mollusc)

FLOUR:
- Thaneroclerus buqueti (Insect)

FOODSTUFF:
- Rhyzopertha dominica (9X) (Insect)

FRAGARIA:
- Aphelenchoides ritzemabosi (Nematode)
- Heterodera ? weissi "
- Phlyctaenia rubigalis (Insect)

HOST (or carier) OF INTERCEPTED PEST

FRUIT:
- Ceratitis capitata (2X) (Insect)
- Plannococcus citri "

GARDENIA:
- Deroceras reticulatum (Mollusc)
- Ecpantheria deflorata (Insect)

GRAIN RESIDUE (in ship):
- Acedes pallescentella (15X) (Insect)
- Anobium punctatum "
- Aphomia gularis "
- Corcyra cephalonica (8X) "
- Endrosis sarcitrella "
- Gnathocerus cornutus "
- Haplotinea ditella (3X) "
- Rhyzopertha dominica (17X) "
- Sitotroga cerealella (9X) "

GLYCINE (seed):
- Callosobruchus chinensis (Insect)

HEDERA:
- Xanthomonas hederae (5X) Bacteria

HERBS:
- Stephanoderes hampei (Insect)

HIBISCUS:
- Phyllosticta hibiscina (Fungus)
- Tapinoma melancephalum (Insect)

IRIS:
- Ditylenchus destructor (2X) (Nematode)

JUNIPERUS:
- Gymnosporangium globosum Rust

LEGUMINACEAE:
- Bruchus lentis (Insect)

LILLIUM
- Helicotylenchus sp. (Nematode)

LONICERA:
- Arion ater (Mollusc)
- Meloidogyne sp. (Nematode)

LYCOPERSICON:
- Meloidogyne incognita (2X) (Nematode)
- Meloidogyne javanica (2X) (Nematode)

MAHONIA AQUIFOLIUM:
- Hemicyliophora typica (Nematode)
- Paratrichodorus sp. "
- Pratylenchus neglectus "
- Pratylenchus penetrans "

MALUS:
- Apple chlorotic leaf spot virus (18X) Virus
- Apple Rubbery wood virus Virus
- Apple spy Epinasty & Decline virus (12X) "
- Apple stem grooving virus (includes Brown line) (10X) "
- Apple stem pitting virus (10X) "
- Pratylenchus sp. (Nematode)
- Xiphinema ? americanum "

MANGIFERA:
- Dacus dorsalis (Insect)

NARCISSUS (bulb & soil):
- Synchytrium endobioticum (Fungus)

NELUMBIUM:
- Rhyzopertha dominica (Insect)

NERIUM:
- Plannococcus citri (Insect)
- Syntomeida epilais jucundissima "

OLEA EUROPAEA:
- Phloeotribus scarabaeoides (Insect)

ORCHIDACEAE
- Bulimulus guadalupensis (Mollusc)
- Lacteoluna selenina "

OXALIS:
- Globodera rostochiensis (2X) (Nematode)

PACHYSANDRA:
- Vollutella pachysandrae (Fungus)

PALMACEAE:
- Automeris IO (Insect)
- Bradybaena similaris (Mollusc)
- Chrysomphalus aonidum (Insect)
- Colletotrichum gloeosporioides (2X) (Fungus)
- Diaspis boisduvalii (2X) (Insect)
- Helicotylenchus sp. (Nematode)
- Heterodera avenae "
- Meloidogyne hapla "
- Meloidogyne sp. "
- Pinnaspis strachani (Insect)

PEPEROMIA:
- Cercospora sp. (Fungus)

HOST (or carier) OF INTERCEPTED PEST

PHASEOLUS:	
Callosobruchus chinensis (2X)	(Insect)
Callosobruchus maculatus (3X)	"
seeds Colletotrichum lindemuthianum	(Fungus)
Heliothis virescens	(Insect)
Noctuidae	"
Rhyzopertha dominica	"
Uromyces phaseoli	(Rust)
PHILADELPHUS:	
Meloidogyne sp. (3X)	(Nematode)
Pratylenchus sp.	"
Pratylenchus vulnus	"
PHILODENDRON:	
Colletotrichum gloeosporioides	(Fungus)
PLANTS (dried):	
Rhyzopertha dominica	(Insect)
Sterrha inquinata	"
PLANTS (herbaceous):	
Brabybaena similaris	(Mollusc)
Criconemoides sp.	(Nematode)
Cyclocephala vulgaris	(Insect)
Helicotylenchus sp.	(Nematode)
Heterodera avenae	"
Heterodera bifenestra	"
Heterodera trifolii	"
Meloidogyne sp.	"
Milax gagates	(Mollusc)
Oxychilus draparnaldi	"
Plannococcus citri	(Insect)
Punctodera punctata	(Nematode)
Rotylenchus sp.	"
Sibine stimulae	(Insect)
Tylenchorhynchus claytoni	(Nematode)
Tylenchorhynchus irregularis	"
Veronicella ameghini	(Mollusc)
Wasmannia auropunctata	(Insect)
PLANTS (woody):	
Heterodera fici	(Nematode)
Heterodera ? graminis	"
Heterodera ? weissi	"
Heterodera humuli	"
POLYPODIUM:	
Tylenchorhynchus irregularis	(Nematode)
POTENTILLA:	
Meloidogyne sp.	(Nematode)
PRUNUS:	
Cherry little cherry (virus)	Virus
Meloidogyne sp.	(Nematode)
Prune 'Dwarf virus' and/or Necrotic Ring spot virus (10X)	Virus
(peach) Prunus necrotic ring-spot virus	Virus
(plum) Prunus necrotic ring-spot virus	"
PTERIS:	
Pratylenchus vulnus (2X)	(Nematode)
Tylenchorhynchus irregularis	"
PYRUS:	
Pear ring pattern mosaic virus	Virus
QUERCUS: (acorns):	
Curculio ? nasicus	(Insect)
QUERCUS:	
Helicotylenchus ? exallus	(Nematode)
Helicotylenchus varicaudatus	"
Rotylenchus sp.	"
Tylenchorhynchus dubius	"
Tylenchus davainei	"
Tylenchus exiguus	"
RIBES:	
Ostrinia nubilalis	(Insect)
RHEUM:	
Heterodera avenae	(Nematode)
Heterodera ? goettingiana	"
Heterodera ? schachtii	"
Heterodera ? trifolii	"
RHODODENDRON:	
Cylindrocladium scoparium	(Fungus)
Exobasidium vaccinii	"
Paratrichodorus ? christiei	(Nematode)
Pseudhalenchus minutus	"
Tylenchorhynchus claytoni	"
ROOTED ORNAMENTAL (Hardwood Cuttings):	
Heterodera ? galeopsidis	(Nematode)
ROSA:	
Meloidogyne hapla (4X)	(Nematode)
Meloidogyne sp.	"
ROSEMARINUS:	
Heterodera schachtii	(Nematode)
Heterodera sp.	"
Heterodera ? trifolii	"
SAMBUSCUS:	
Arianta arbustorum	(Mollusc)

HOST (or carier) OF INTERCEPTED PEST

SCHEFFLERA	
Alternaria ? actinophylla	(Fungus)
Plannococcus citri	(Insect)
SHIP'S HOLD:	
Nacerdes melanura	(Insect)
Potosia cuprea	"
SNAIL SHIPMENT:	
Helix aperta	(Mollusc)
Helix aspersa (3X)	"
Helix melanostoma	"
Helix pomatia	"
Otala lactea (2X)	"
Otala vermiculata	"
SPHAGNUM:	
Helicotylenchus pseudorobustus	(Nematode)
Heterodera bifenestra	"
SOIL:	
Aphelenchoides sp.	(Nematode)
Heterodera ? glycines	"
Heterodera humuli	"
Helicotylenchus pseudorobustus	"
Macropostonia xenoplax	"
Paratylenchus sp.	"
Pratylenchus sp.	"
Punctodera punctata	"
Tylenchorhynchus dubius	"
Tylenchorhynchus sp.	"
SOIL & ROCK:	
Helicotylenchus n. sp.	(Nematode)
Helicotylenchus exallus	"
Helicotylenchus n. sp.	"
Heterodera humuli	"
Tylenchorhunchus ? clarus	"
SOLANUM:	
Heterodera avenae	(Nematode)
SPIRAEA:	
Meloidogyne hapla	(Nematode)
STERILE GROWING MEDIA:	
Aphelenchoides parietinus	(Nematode)
Aphelenchoides sp.	"
Tylenchus sp. (undescribed)	"
TILIA:	
Cylindrocarpon radicicola	(Fungus)
THUJA:	
Pratylenchus penetrans	(Nematode)
Pratylenchus sp.	"
Thyridopteryx ephemeraeformis	(Insect)
TRITICUM:	
Puccinia graminis	Rust
TULIPA:	
Fusarium oxysporum f. sp. tulipa	(Fungus)
VINCA:	
Botryosphaeria obtusa	"
VIGNA:	
Phyllosticta minor	"
Noctuidae	(Insect)
VITIS:	
Grapevine fanleaf virus (39X)	Virus
Grapevine fleck virus (39X)	"
Grapevine leafroll virus (19X)	"
Naupactus xanthographus	(Insect)
WEIGELA:	
Meloidogyne hapla	(Nematode)
Meloidogyne sp.	"
WOOD (bamboo):	
Dinoderus brevis	(Insect)
Dinoderus minutus (3X)	"
Lyctus planicollis	"
Trogoxylon prostomoides (2X)	"
WOOD (carving):	
Lyctus brunneus	(Insect)
Minthea rugicollis	"
WOOD (crates):	
Cis bidentatus	(Insect)
Heterobostrychus aequalis	"
Heterobostrychus brunneus	"
Minthea rugicollis	"
Sinoxylon anale	"
Sinoxylon conigerum	"
WOOD (furniture):	
Trogoxylon prostomoides	(Insect)
WOOD (medicinal stems):	
Trogoxylon prostomoides	(Insect)
WOOD (sawdust packing):	
Monomorium destructor	(Insect)
WOOD (utensil):	
Minthea rugicollis	(Insect)
YUCCA:	
Coniothyrium concentricum	(Fungus)
Colletotrichum gloeosporioides	"
ZEA MAYS:	
Heliothis zea	(Insect)

COUNTRIES OF ORIGIN OF PESTS INTERCEPTED

D. Laidlaw, A.E. Tymchak and J. Scott

BELGIUM:

Limax marginatus	(Mollusc)
Meloidogyne hapla	(Nematode)
Phomopsis sp.	(Fungus)

CHILE:

Eriopis connexa chilensis	(Insect)
Naupactus xanthographus	"

CHINA:

Dinoderus brevis	(Insect)
Dinoderus minutus	"

DENMARK:

Heterodera trifolii	(Nematode)
Prune dwarf &/or Prunus necrotic ringspot virus (6x)	virus
Rotylenchus fallorobustus	(Nematode)
Tylenchorhynchus claytoni	"

DOMINICAN REPUBLIC:

Tapinoma melancephalum	(insect)

ENGLAND:

Aphelenchoides parietinus (2x)	(Nematode)
Apple chlorotic leafspot virus (3x)	virus
Helicotylenchus pseudorobustus	(Nematode)
Helicotylenchus sp.	"
Heterodera sp.	"
Heterodera trifolii	"
Paratylenchus sp.	"
Pratylenchus sp.	"
Punctodera punctata	"
Synchytrium endobioticum	Fungus
Tylenchorhynchus dubius	(Nematode)
Tylenchorhynchus sp.	"

ETHIOPIA :

Heterodera ? glycines	(Nematode)

FIJI:

Dacus dorsalis	(Insect)
Noctuidae (3x)	"

FRANCE:

Apple chlorotic leafspot virus	virus
Apple spy epinasty & decline virus	"
Apple stem grooving virus	"
Apple stem pitting virus	"
Grapevine fanleaf virus (17x)	"
Grapevine fleck virus (4x)	"
Grapevine leafroll virus (7x)	"
Heterodera avenae	(Nematode)
Heterodera cacti	"
Heterodera cruciferae	"
Punctodera punctata	"

GERMANY:

Criconemoides sp.	(Nematode)
Ditylenchus sp.	"
Helicotylenchus ? exallus	"
Helicotylenchus varicaudatus	"
Helicotylenchus sp. (2x)	"
Helix pomatia	(Mollusc)
Heterodera avenae (2x)	(Nematode)
Heterodera bifenestra	"
Heterodera cruciferae	"
Heterodera humuli	"
Heterodera latipons	"
Heterodera trifolii (2x)	"
Rotylenchus sp.	"
Tylenchorhynchus dubius	"
Tylenchus davainei	"
Tylenchus exiguus	"

GHANA:

Blatta orientalis	(Insect)
Callosobruchus chinensis	"

GREECE:

Helix aperta	(Mollusc)
Helix aspersa (2x)	"
Otala atlasica	"
Otala vermiculata (5x)	"

GUADELOUPE:

Plannococcus citri	(Insect)

GUATEMALA:

Elaphidion mucronatum	(Insect)

HAITI:

Helicotylenchus sp.	(Nematode)
Lyctus brunneus	(Insect)
Xiphinema sp.	(Nematode)

HONDURAS:

Veronicella floridana	(Mollusc)

HONG KONG:

Aphelenchoides n. sp. (near A. coffeae)	(Nematode)
Callosobruchus chinensis	(Insect)
Callosobruchus maculatus (2x)	"
Curculio ? elephas	"
Rhyzopertha dominica (10x)	"
Stephanoderes hampei	"
Thaneroclerus buqueti	"

HUNGARY:

Grapevine fanleaf virus	virus
Helicotylenchus sp.	(Nematode)
Heterodera avenae	"

Countries of Origin of Pests Intercepted

INDIA:

Helicotylenchus sp.	(Nematode)
Rhyzopertha dominica (2x)	(Insect)
Sinoxylon anale	"
Trogoderma granarium	"
Trogoxylon prostomoides	"

ISRAEL:

Bruchus lentis	(Insect)
Phloeotribus scarabaeoides	"

ITALY:

Apple spy epinasty & decline virus	virus
Apple stem grooving virus	"
Apple stem pitting virus	"
Ceratitis capitata	(insect)
Cherry little cherry (virus)	virus
Ditylenchus sp.	(Nematode)
Grapevine fanleaf virus	virus
Grapevine leafroll virus	"
Helicella neglecta	(Mollusc)
Helicotylenchus pseudorobustus	(2x) (Nematode)
Heterodera cruciferae	(Nematode)
Heterodera ? galeopsidis	"
Heterodera humuli	"
Heterodera schachtii	"
Heterodera sp.	"
Heterodera ? trifolii	"
Helix aperta (2x)	(Mollusc)
Helix aspersa (4x)	"
Helix lucorum	"
Meloidogyne hapla	(Nematode)
Otala lactea	(Mollusc)
Otala vermiculata (4x)	"
Paratrichodorus (Nanidorus) near renifer	(Nematode)
Paratrichodorus (Nanidorus) sp.	"
Paratylenchus italiensis	"
Pear ring pattern mosaic virus (3x)	virus
Prune dwarf virus &/or Prunus necrotic ringspot virus	"
Prunus necrotic ringspot virus	"
Puccinia graminis	rust
Sterrha inquinata	(insect)
Theba pisana (3x)	(Mollusc)

IRELAND:

Globodera rostochiensis (2x)	(Nematode)
Meloidogyne hapla	"

JAMAICA:

Bulimulus guadalupensis	(Mollusc)
Lacteoluna selenina	"
Palaeopus costicollis	(Insect)

JAPAN:

Curculio ? elephas	(Insect)
Fusarium oxysporum f. sp. tulipae	fungus
Globodera rostochiensis (2x)	(Nematode)
Globodera sp. (2x)	"
Heterodera avenae	"
Heterodera cacti	"
Heterodera ? cacti	"
Heterodera ? cyperi (2x)	"
Heterodera fici	"
Heterodera goettingiana (7x)	"
Heterodera sp. (4x)	"
Heterodera trifolii (4x)	"
Nacerdes melanura	(Insect)
Potosia cuprea	"

KENYA:

Ceratitis capitata	(Insect)
Helicotylenchus exallus	(Nematode)
Helicotylenchus n. sp.	"
Heterodera humuli	"
Tylenchorhynchus ? clarus	"

MEXICO:

Heliothis zea	(Insect)
Trogoxylon prostomoides	"

MOROCCO:

Otala lactea	(Mollusc)

NETHERLANDS:

Aphelenchoides dactylocerus (2x)	(Nematode)
Apple chlorotic leafspot (2x)	virus
Apple spy epinasty & decline virus	"
Apple stem grooving virus	"
Apple stem pitting virus	"
Arianta arbustorum	(Mollusc)
Arion ater	"
Colletotrichum gloeosporioides	fungus

Countries of Origin of Pests Intercepted

(Cont'd)

NETHERLANDS:

Criconemoides sp.	(Nematode)
Cylindrocarpon radicicola (2x)	fungus
Ditylenchus sp.	(Nematode)
Globodera rostochiensis	"
Helicotylenchus digonicus	"
Helicotylenchus pseudorobustus	"
Hemicycliophora typica	"
Heterodera avenae	"
Heterodera bifenestra	"
Heterodera ? goettingiana	"
Heterodera ? schachtii	"
Heterodera schachtii	"
Heterodera ? trifolii	"
Macrosthonia xenoplax	"
Meloidogyne hapla (2x)	"
Meloidogyne sp.(2x)	"
Ostrinia nubilalis	(Insect)
Paratrichodorus sp.	(Nematode)
Phytophthora sp.	fungus
Pratylenchus neglectus	(Nematode)
Pratylenchus penetrans (4x)	"
Pratylenchus sp.	"
Prune dwarf virus &/or	
Prunus necrotic ringspot virus	virus
Prunus necrotic ringspot virus	"
Rotylenchus fallorobustus	(Nematode)
Rotylenchus goodeyi	"
Rotylenchus rugatocuticulatus	"
Tipula oleracea	(Insect)
Tylenchorhynchus dubius	(Nematode)
Tylenchus davainei	"
Vollutella pachysandrae	fungus

NEW ZEALAND:

Prune dwarf virus &/or	
Prunus necrotic ringspot virus	virus

NIGERIA:

Archachatina marginata suturalis	(Mollusc)

ORIENT:

Cis bidentatus	(Insect)

PAKISTAN:

Monomorium destructor	(Insect)

POLAND:

Heterodera humuli	(Nematode)

PORTUGAL:

Heterodera fici	(Nematode)
Heterodera trifolii	"

PUERTO RICO:

Helicotylenchus sp.	(Nematode)
Heterodera schachtii	"
Heterodera sp.	"
Meloidogyne sp.	"
Phytophthora sp.	fungus
Pratylenchus vulnus (2x)	(Nematode)
Tylenchorhynchus irregularis (2x)	"

ROMANIA:

Apple chlorotic leafspot virus (4x)	virus
Apple spy epinasty & decline virus	"
Apple stem grooving virus (4x)	"
Apple stem pitting virus (4x)	"
Prunus necrotic ringspot virus	"

SCOTLAND:

Globodera rostochiensis	(Nematode)
Heterodera humuli	"

SINGAPORE:

Callosobruchus maculatus	(Insect)

SOUTH AFRICA:

Grapevine leafroll virus	virus

SPAIN:

Heterodera cacti	(Nematode)

TAIWAN:

Dinoderus minutus	(Insect)
Wasmannia auropunctata	"

THAILAND:

Achatina fulica	(Mollusc)
Heterobostrychus aequalis	(Insect)
Heterobostrychus brunneus	"
Minthea rugicollis	"
Rhyzopertha dominica	"
Sinoxylon conigerum	"

TRINIDAD:

Ancylostomia stercorea	(Insect)
Criconemoides sp.	(Nematode)
Heliothis virescens	(Insect)
Plannococcus citri	"
Rotylenchus sp.	(Nematode)

TUNISIA:

Helix aperta	(Mollusc)
Helix aspersa (2x)	"
Helix melanostoma	"
Otala vermiculata	"

Countries of Origin of Pests Intercepted

UNKNOWN (COUNTRY):

Acedes pallescentella (15x)	(Insect)
Anobium punctatum	"
Aphomia gularis	"
Corcyra cephalonica (7x)	"
Endrosis sarcitrella	"
Gnathocerus cornutus	"
Haplotinea ditella (3x)	"
Lyctus planicollis	"
Rhyzopertha dominica (17x)	"
Sitotroga cerealella (9x)	"
Trogoderma granarium	"
Trogoxylon prostomoides (2x)	"

UNITED KINGDOM:

Punctodera punctata	(Nematode)

UNITED STATES: By State

ARIZONA:

Gryllus veletis (2x)	(Insect)

CALIFORNIA:

Diaspis boisduvalii	(Insect)
Ditylenchus dipsaci	(Nematode)
Exobasidium vaccinii	Fungus
Grapevine fanleaf virus	Virus
Grapevine fleck virus (3x)	"
Grapevine leafroll virus	"
Helix aspersa (3x)	(Mollusc)
Milax gagates	"
Oxychilus draparnaldi	"
Phlyctaenia rubigalis	(Insect)
Phytophthora sp.	Fungus
Xanthomonas hederae	Bacteria

CONNECTICUT:

Helicotylenchus sp.	(Nematode)
Pratylenchus sp.	"
Rotylenchus robustus	"
Xanthomonas hederae	

FLORIDA:

Alternaria ? actinophylla (5x)	Fungus
Aphelenchoides sp.	(Nematode)
Autographa brassicae	(Insect)
Autographa 00	"
Automeris Io	"
Bradybaena similaris (6x)	(Mollusc)
Cercospora sp.	Fungus
Chrysomphalus aonidum (3x)	(Insect)
Colletotrichum gloeosporioides (7x)	Fungus
Coniothyrium concentricum (2x)	"
Cyclocephala vulgaris	(Insect)
Cylindrocladium scoparium	Fungus
Deroceras reticulatum (2x)	(Mollusc)
Diaspis boisduvalii	(Insect)
Drymaeus multilineatus	(Mollusc)
Ecpantheria deflorata	(Insect)
Helicotylenchus dihystera	(Nematode)
Meloidogyne hapla	"
Meloidogyne sp.	"
Papilio cresphomtes	(Insect)
Phyllosticta hibiscina	Fungus
Pinnaspis strachani	(Insect)
Plannococcus citri (2x)	"
Praticolella bakeri	(Mollusc)
Scapteriscus acletus	(Insect)
Sibine stimulae	"
Syntomeida epilais jucundissima	"
Tapinoma melancephalum	"
Tylenchorhynchus martini	(Nematode)
Veronicella ameghini	(Mollusc)
Xachrysia provisoria (2x)	"
Zanthomonas hederae (2x)	Bacteria

GEORGIA:

Meloidogyne incognita (2x)	(Nematode)
Meloidogyne javanica (2x)	"

HAWAII

Aphelenchoides sp.	(Nematode)
Minthea rugicollis (2x)	(Insect)
Plutella xylostella	"
Tylenchorhynchus irregularis	(Nematode)
Tylenchus sp. (undescribed)	"

IOWA:

Meloidogyne hapla	(Nematode)

MARYLAND:

Grapevine fleck virus (2x)	Virus

MASSACHUSETTS:

Cepaea hortensis	(Mollusc)
Otala lactea	"

MICHIGAN:

Aphelenchoides ritzemabosi	(Nematode)

MONTANA

Gymnosporangium globosum	Rust

NEW YORK

Autographa brassicae	(Insect)
Curculio ? nasicus	"
Grapevine fleck virus	Virus
Grapevine leafroll virus (2x)	"
Meloidogyne sp. (5x)	(Nematode)
Pratylenchus sp.	"
Pratylenchus vulnus	"

Countries of Origin of Pests Intercepted

OKLAHOMA:
- Xiphinema ? americanum (Nematode)

OREGON:
- Anguina agrostis (Nematode)
- Colletotrichum gloeosporioides Fungus
- Heterodera ? graminis (Nematode)
- Heterodera ? weissi "

PENNSYLVANIA:
- Thyridopteryx ephemeraeformis (Insect)

TENNESSEE:
- Diplodia vincae conidial stage of Botryosphaeria obtusa Fungus
- Phyllosticta minor "
- Meloidogyne hapla (Nematode)
- Meloidogyne incognita (2x) "
- Meloidogyne sp. (2x) "

VIRGINIA:
- Alternaria brassicicola Fungus
- Meloidogyne sp. (Nematode)
- Paratrichodorus ? christiei "
- Pseudhalenchus minutus "
- Plutella xylostella (2x) (Insect)
- Tylenchorhynchus claytoni (Nematode)

WASHINGTON:
- Apple chlorotic leafspot virus Virus
- Ditylenchus destructor (2x) (Nematode)
- Heterodera ? weissi "

WISCONSIN:
- Galleria mellonella (Insect)

U.S.A. ? State:
- Pratylenchus penetrans (Nematode)
- Prune dwarf virus &/or necrotic ringspot virus Virus
- Callosobruchus chinensis (Insect)

USSR:
- Apple chlorotic leafspot virus (6x) Virus
- Apple rubbery wood virus "
- Apple spy epinasty & decline virus (5x) "
- Apple stem grooving virus (3x) "
- Apple stem pitting virus (3x) "
- Corcyra cephalonica (Insect)
- Grapevine fanleaf virus (2x) Virus
- Grapevine leafroll virus "

W. GERMANY:
- Grapevine fanleaf virus (17x) Virus
- Grapevine fleck virus (29x) "
- Grapevine leafroll virus (6x) "
- Phomopsis elaeagni Fungus

YUGOSLAVIA:
- Colletotrichum lindemuthianum Fungus
- Prunus necrotic ringspot virus Virus
- Uromyces phaseoli Rust